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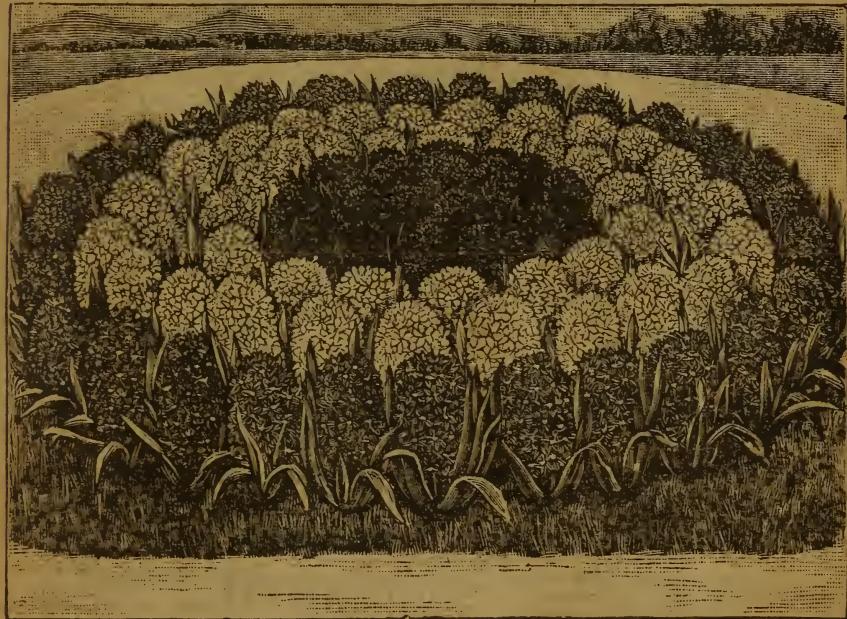
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PARKS FLORAL MAGAZINE

VOL LX. NO. 9.
Established 1871.

September, 1924

25 cents a year
3 years 50 cents



And the hyacinth, purple, and white, and blue,
Which flung from its bells a sweet peal anew
Of music so delicate, soft and intense,
It was felt like an odour within the sense.—Shelley

Remember the Sub. Price of the Magazine is now 25 cents
and you will understand how very liberal this offer is.

12 Grand Dutch Tulips 30c

*Fresh from Holland, and a Years Subscription
to The Floral Magazine, Postpaid*

Fine, large, healthy Bulbs, planted outdoors any time this Fall, every one containing a lovely flower to bloom next Spring. Taken from our own mixture of colors—red, white, yellow, scarlet, orange, pink, crimson, variegated, grown for us in Holland to make this offer.

20 Tulips and a 3-Year Subscription 50c

We ask our friends to get up a Club of four Subs. at 30c each, which gives each subscriber the Magazine a year and 12 wonderful Tulips, and you receive your Sub. and a dozen Tulips free—all sent postpaid—send us no money of your own, only the \$1.20 collected from the 4 new subs. A Club of 4 at 50c each gives you 20 bulbs and a 3-year sub. free.

PARKS FLORAL MAGAZINE, Lapark, Penna.

FREE!

Both 10-Piece ^{White} Enamel Kitchen Set & 9-Piece ^{Enamel} Canister Set

Guaranteed for life

32-Piece Aluminum Set includes 2 Bread Pans; Doughnut Cutter; Loaf Pan; Butter; Jelly Cake Pans; Combination Fritter and Rice Baking Pans; 2 Small Set with Lid; Dripper; Colander; Measuring Cup; Percolator; 2 Pie Pans; Castor Set (4 pieces); Tea or Coffee Strainer; Fry Pan; Cooker Set of 5 pieces, making 11 utensil combinations; — Preserving Kettle; Convex Kettle; Combination Cooker; Casserole; Pudding Pan; Tuber; Cake Pan; Colander; Roaster; Corn Popper; Steamer Set; Double Boiler.

No Money Down!

Just mail the coupon and Hartman, the Largest Home Furnishing Concern in the World, will send you this, 32-Piece Aluminum Cooking Set and with it, absolutely FREE, the 10-Piece Kitchen Set and 9-Piece Canister Set. When goods arrive, pay only \$2.00 and postage on the Aluminum Set. Pay nothing for the Kitchen Set or Canister Set—they are free. Use all 3 sets 30 days on Free Trial. If not satisfied, return them and we will refund the \$2 and pay transportation charges both ways. Otherwise pay only for Aluminum Set, a little each month. Keep the Kitchen Set and Canister Set as gifts from Hartman.



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Over 300 pages of the world's greatest bargains in Furniture, Rugs, Carpets, Home Linen, Glassware, etc. all sold on easy monthly payment terms. 30 days' free trial.

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Order by No. 417FFMA12. Price for Aluminum Set, \$18.95. No money down. \$2 and postage on arrival. Balance \$2 monthly. 10-Piece Kitchen Set and 9-Pc. Canister Set Free.

HARTMAN FURNITURE & CARPET CO.
Largest Home Furnishing Concern in the World
Dept. 6830 Chicago

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Guaranteed for Life. Hartman's "Special" Set—made of heavy gauge aluminum. Will not chip, crack or rust. Light to handle. Bright as silver. Read above list of pieces. Everything for baking, boiling, roasting, frying. And we guarantee it for life. Send at once.

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Remember, only \$2.00 on arrival and balance on Hartman's easy terms for the Aluminum Set only. Not a penny to pay for the Kitchen Set or the Canister Set. 30 days' free trial for all and nearly a year to pay for the Aluminum Set.

FREE 10-Piece Kitchen Set and 9-Pc. Canister Set

Both Sets free with Aluminum Set. Kitchen Set includes: Potato Masher, Mixing Spoon, Measuring Spoons, Ice Pail, Egg and Coffee Beater, Can Opener, Vegetable and Page Brush, Fork, Egg and Cake Turner, Wall Rack. All have white enameled handles and hanzon wall rack. Canister Set includes: Large containers for Tea, Coffee and Sugar, small containers for Cocoa, Coffee, Nuts, Coffee, Nuts, Cigars and Ginger, all enameled in colors with black lettering designating contents. Offer is limited.

**Use Coupon Only When Ordering
Aluminum Set. Mail it Today!**

HARTMAN FURNITURE & CARPET CO.
Dept. 6830 Chicago, Illinois

32-Piece Aluminum Cooking Set, No. 417FFMA12, Price \$18.95,
and with it the 10-Piece Kitchen Set and 9-Piece Canister Set. \$2 and postage on arrival. Kitchen Set and Canister Set are FREE. I am to have 30 days' free trial. If not satisfied, I will ship all 3 sets back and you will refund my \$2 and pay transportation charges both ways. If I keep them, I will pay you \$2 monthly until the price of Aluminum Set, \$18.95, is paid. Title remains with you until final payment is made.

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or Street and No. _____

Town _____ State _____

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PARK'S FLORAL MAGAZINE

A MONTHLY DEVOTED TO FLOWERS
LAPARK SEED AND PLANT COMPANY, Inc., Publishers
LAPARK. — PENN'A.

Entered at Lapark, Pa. P. O. as 2nd-class Mail Matter.

Single Copy 5c

AND NOW THE SUBSCRIPTION PRICE OF THE FLORAL MAGAZINE IS 25 CTS

For months we have been announcing that on and after September 1st the subscription price of Parks Floral Magazine would be twenty-five cents a year, or three years for half a dollar, and now that date has arrived.

For fifty-five years flower-loving folks have been enjoying the Magazine at a dime a year.

All through the years of war prices we alone of thousands of publishers refused to increase our rate.

It is true prices of some items have gone down, but the fact remains that everything entering into the production of the Magazine averages around three hundred per cent. higher than ten years ago.

The increase to twenty-five cents has been forced upon us—many of us would have liked to keep it at ten cents a year, and to quickly reach a couple of million circulation, but the loss of each single penny a year on only half a million subscribers means going behind five thousand dollars annually.

What we can make of the Magazine in the years ahead of us depends very much on how quickly and "numerously" our friends adjust themselves to the new price.

Many thousands have taken advantage of the opportunity to extend their subscriptions another year at ten cents, and virtually every one of them has gladly approved of the increase to a quarter.

While we know the advance in price is based on the actual cost of publishing the Magazine, and that we are not entitled to receive it a minute longer at less than twenty-five cents a year, I know it would have been pleasing to you as subscribers, as well as to me as your Editor, could the increase have been emphasized by some immediate and marked change in the appearance of the Magazine itself.

As we already have a great printing plant representing an investment of well on to a hundred thousand dollars, and worth every penny of it to us in turning out the Magazine, the first change must be in line of a larger number of pages, which our presses are built to do, rather than a larger size page, which they cannot print.

I wish I might say to you that the October Magazine will be forty-eight pages, and that the November might be equally large.

You know it is our plan to give you these larger Magazines just as soon as we possibly can, and I believe this Winter may see a number of them, but the two factors that enter into the question of increasing the pages bring us right back to the original question—

How soon will our readers appreciate the fact that the Magazine is well worth twenty-five cents a year to them and that the publishers must receive renewals and new subscribers at this price promptly and in the usual volume.

The other item is the amount of advertising we can secure from those who wish your patronage—in a presidential election year partic-

ularly it is as yet too early to know what advertisers will do.

If I could count on our half-million subscribers voluntarily renewing their subscriptions as quickly as the printed dates on each number of the Magazine show they are about to expire, I could, on my part, promise you not less than forty-eight pages at any time and many of sixty-four pages, and that orders could be placed at once for new presses that would print the Magazine in the form we have dreamed it might be.

Let us work loyally together and get what we want.—EDITOR.

SEPTEMBER REMINDERS

By Bertha Berbert-Hammond

Use the lawn mower less during September. Patch up poor places in the lawn, reseeding where necessary.

Do not let weeds go to seed. Cut down those by the roadside and in neighboring, vacant lots, so that they may not scatter their seed in your garden.

Sow seeds of Hardy Phlox, Candytuft, Cornflowers, Pansies, English Daisies, Poppies, Mignonette, etc.

Hardy Lilies may be planted early; this is especially true of the old, garden favorite, *Lilium Candidum*, which must have an opportunity to become established before Winter comes.

Make a generous selection of Bulbs for indoor forcing and Spring bloom outdoors, and place the order for same early so that they may be on hand for October planting.

Cultivate and give Aster a final dose of liquid fertilizer, so that the strength of blooming plants will not be sapped, and to prolong the blooming period and prevent formation of seed.

Begin applying a stimulant to Chrysanthemums.

Stir the compost heap; pulverize some of the well rotted material and mix with equal parts sand and garden soil so that good potting soil will be in readiness for use.

Clean all flower pots that are to be used, and pot the plants that are destined for indoor window culture this Winter. Place the potted plants in a shady place until established.

Spade up and prepare the beds for Bulb planting. Bulbs for Spring bloom may be tucked away in the ground from the end of September up until the ground freezes hard. Even after that Bulbs may be planted on top of the ground if workable soil can be obtained with which to cover them.

MICHAELMAS DAISIES

Michaelmas daisies blooming for me,
Purple and white and azure I see,
Out by the pasture, down by the lane,
Tangled in clover, sprinkled with rain.

Fairies of Autumn, flowers of dream,
Hanging so pensive, softly they gleam,
Waiting for trysts with Autumn's cold breeze,
Stories of playtime, stars from dark seas.

Flowers of Bacchus, when the red wine
Pours from the presses, how their eyes shine!
Bright little vagrants Autumn sets free,
Michaelmas daisies under the tree!

Will B. Thompson.

Lovely House Blooming Bulbs

A year's subscription to the **Floral Magazine** is included in every order without additional charge, and all Bulbs are sent postpaid.

COLLECTION B

The Quickest, Most Beautiful and Sweetly Fragrant of All Bulbs to Flower Indoors

And Not a Bit of Trouble

6 "Paper Whites" 35c

Delivered at Once, Postpaid

18 Bulbs and a Three Year Sub. 90 Cents

This 18 Bulbs offer is for those who wish three pots or 3 plantings of Bulbs, but do not have time to get up a club.

Set six Bulbs in a big flower pot or an old flat pan, in garden soil, or three to half a dozen in a saucer of water with pebbles or broken stone to keep them upright.

Put them out of sun 4 to 6 days, then set them anywhere in the living-room, and, if in water, in from 3 to 4 weeks they flower and spread a most fascinating odor throughout the house.

In soil from 6 to 8 weeks are required to flower them, but you have, as a rule, larger, handsomer spikes with more flowers.

Plant now and five or six more every three weeks and you will have flowers until Easter, when Hyacinths, Easter Lilies and other Bulbs are ready.

If you love Winter flowers you can hardly get along without two or three pots or bowls of the exquisite French Paper Whites all the time.

A Club of 4 Subs. and 24 Bulbs for \$1.20

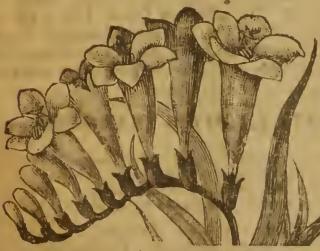
Get three neighbors to join you and then your subscription to the **Floral Magazine** and six Bulbs cost you only 20 cts. instead of 35, a saving of 15 cts.

COLLECTION A

**10 Fragrant Purity 30c
Freesias**

**50 Fine Bulbs and 5 Subs.
for \$1.30**

—Thus the club raiser receives her 10 Bulbs and renewal subscription for only 10 cts., a saving of 20 cts., as her reward for sending us the Club of 4 friends or neighbors. The "Purity" is the improved, large flowering Freesia, solid white in color and so highly perfumed a single bulb will delightfully scent the whole room. Plant 4 to 6 in a 4-inch pot every couple of weeks for a succession of bloom until spring.



THE POPULAR "PURITY" FREESIA



A BOWL OF 6 PAPER WHITES IS RICH AND BEAUTIFUL

COLLECTION C

**Chinese Sacred
Lily 30 Cts**

**3 Lilies and a 3-Year
Subscription 60 Cents**

**Club of 5 Lilies
and 5 Subs. \$1.30**

The club raiser thus receives her Bulb and renewal subscription for a dime.

Everyone is familiar with the great, lovely, golden yellow flowers of the Chinese Sacred Lily, or Joss flower, that starts to grow almost immediately in a saucer, or bowl, of pebbles, in water, on the living-room table,



handsome from the start and superb when it bursts forth into clusters of brilliant array and rich perfume. We import the bulbs from China and they are always large, healthy bulbs, and give our friends great satisfaction.

Please try to send us a club—you understand that for 30 cts the Magazine is sent a year and a grand bulb, postpaid, and that for a club of four, with ten cents from you, we send you a bulb and year's subscription for your trouble.

Address All Orders to Parks *Floral Magazine*, Lapark, Pa.

PARK'S FLORAL MAGAZINE

LaPark, Pennsylvania.

This Is Paeony Planting Time

The best time of all the year to plant, dig up, divide and replant, or to move, Paeonies, is from now until towards the end of October, when the roots have made their growth, and are practically dormant.

Prepare your bed thoroughly; dig it deep, a foot at least, a foot and a half if possible. The Paeony is a wonderful plant and a magnificent flower, and is most accommodating, accepting almost any sort of soil. And yet it does have its preference, putting forth its best efforts in a rather moist spot, in rich, deep soil. And, of course, always set in full sun.

Having dug the bed deep some growers advise mixing in a liberal forkful of well-rotted

weather comes on, the withered leaves and stalks of the Paeonies be cut to the ground and all carefully burned.

Now, the leaves and the stems are Nature's Winter covering for the Paeonies. They are hardy even in the far north of Canada, but, as you have taken their natural cover away from them, it is nothing but fair that you should replace it with one or two forkfuls of strawy, stable manure. Very early in the Spring, as soon as the soil has partially thawed out, remove the rougher portion, and, with a spade, work the finer parts into the soil two or three inches, and the Spring rains will carry the fertilizer down to the roots. If in-



A FESTIVA MAXIMA PAEONY IN ALL ITS GLORY

stable manure, but other growers claim manure is apt to rot the roots, and to encourage disease, and they say to apply a good handful of bone meal. Certainly if you use manure it must be thoroughly rotted, and it is to be worked all through the soil in small particles, and in no case must the roots be set on a lump of manure. When covered the tallest sprout should be three inches below the surface.

When you examine your Paeonies this Fall, any clumps containing more than three to five eyes may be divided, and you should expect flowers from them next Spring.

Now-days the great purpose of medicine is to prevent disease. And more and more this idea is being practiced in flower and vegetable growing. In line with this idea it is recommended that, just before the hard Winter

convenient to obtain manure use straw, or leaves, with a little soil on top to prevent them being blown away; remove in Spring and work in a handful of bone meal.

When the Paeonies first show buds give them a thorough watering with manure water, and keep soil well watered during blooming period, if you desire largest, most perfect flowers and longest blooming period.

Wonderful things are being done with Paeonies, by propagators, and yet Festiva Maxima for white, Eudalis Superba for pink, and Felix Crousse, red, are still the favorite varieties for cut-flowers, and apparently will be for many years to come. If you will attend the Paeony shows, or read the reports of the exhibits, you will almost invariably find the three I have mentioned among the prizewinners or at least "honorable mentioned." (Page 197) D. E. F., Washington, D. C.

Delphinium, Iris and Phlox

Three of Our Favorites and Some Hints About Them

BESSIE BERRY GRABOWSKII

In every hardy garden I feel sure we will find three favorites, the beautiful Delphiniums, the Iris and Hardy Phlox; three that certainly fully repay us for all the care we give them, and ranking high.

They are three that we want to know how to care for and protect, and yet they are often attacked by destroyers before our very eyes, or before our eyes discover them, and we have to lose the plants unless we know these valuable ways of saving them. It is of this that I wish to speak.

The Delphinium

First, if you want to save good seed you should do so from the first crop of blossoms of the season. This, however, will be at the expense of many blooms that season, because, to insure a continuation of bloom, you must cut the blossoms, certainly as soon as they fade. So I would advise buying your seed—cut flowers down close to the plant; this will make new shoots very soon which will again bloom, and by repeating this operation you will have continual bloom.

I have found, as an amateur who has not a hot-bed, that even if I want to plant bought Delphinium seed, I get best results by sowing them at about the time the first crop of my own blossoms would be dropping their own seeds. In this way they get a good start before cold weather, and then they winter quite well, and bloom early the next season. Of course I lose many plants and seeds—all do not germinate, but those that do are hearty and fine.

(Page 198)

They are good feeders and like rich soil and deep cultivation, but do not let manure come near their crowns—I find that I get much better results from the use of bone meal and sheep manure than from stable or cow manure, for Delphiniums, unless I use the latter in mid-winter, and a few inches from the plant.

In late Fall they entirely disappear and you think until well into the Spring that they are gone, but do not uncover or grow impatient, from the perfectly dead looking spots will come sprouts, and then they grow rapidly. They need watering, and cannot stand a drought.

Delphinium

Pests

There is one thing that will shock us sometimes beyond words—we will see a perfectly hearty, fine looking plant, often in full bud, just suddenly wilt and begin to die. This is caused by a fungus, or a nasty, little, white worm which attacks the roots and gives no sign until you see the plants dying. It bores up into the stems and eats the heart right out of it.

The best way to prevent this is to keep

the soil around the plants well covered with coal ashes (this is one of the few instances where coal instead of wood ashes are the better) but when it is attacked you should cut back the diseased part, then mix equal parts of hydrated lime and flour of sulphur with water and pour it around the plant at the very first indication of the trouble. I have even taken up the plant, held it under a faucet to get the diseased earth from it, put the solution in the earth it was taken from, and reset it in another spot, and have thus often found the



A BUNCH OF LIBERTY OR GERMAN IRIS AT ITS BEST

worms, and killed them, and saved the plant too. Sulphur, (powdered), is an excellent thing for the gardener to keep on hand, for it is most useful with many plants, especially for the three I am mentioning here—as I will show.

THE IRIS

One of our most beautiful flowers, should not be planted too deeply—especially I speak



DELPHINIUM by Its Stately Beauty Well Deserves Its Title "Queen of the Garden"

of the Iris Germanica. The fleshy parts—the rhizomes—are not the roots, and should just rest firmly into the earth, and not under it. They like the sun's rays on them, and grow better therefrom—not so the Delphinium, it likes a light mulching around it to keep off the hot rays of the sun).

But the Iris Germanica does not like wet, or water, too much, and though it likes to be fed, it, too, thrives best with bone meal and sheep manure, but no other manure should come near it.

They can be divided and transplanted any time after blooming season, and until March, though it is best done in August and September. If done in the Spring the growth of buds will often be retarded, and maybe blooming will be prevented for that season.

Iris are attacked by a horrid grub, that make the rhizomes custardy, with a very offensive odor; this is sometimes called the "Iris rot," and the awful part of it is that you do not know of its presence until you suddenly run into it, moving some, or see your plants dwindling away. I found mine quite by accident, in one clump of Iris, and then I set in a search for it and found it in others. Fortunately a horticulturist friend gave me a splendid receipt for this, and I read of another in a magazine—I cannot remember which magazine, but here are both for your use:

No. 1—Take up the Iris, scrape all the soft parts off, (well), until you come to perfectly sound meat, and then immerse them in water heated to 130 degrees, (not over), into which

has been dissolved laundry soap, in the proportion of 2 ounces to 1 gallon of water. After drying them sprinkle the rhizomes with a little air-slacked lime, and replant; it is best not to replant in the same spot, and the earth just vacated should also be sprinkled with the lime.

No. 2—Take up Iris, and scrape as directed before, then dip in a solution of formaldehyde—which is secured from druggists already prepared. Let the Iris dry off in the sun and then you can replant, but not in same place. Treat earth with the formaldehyde, also.

No. 3—Advises that you cut away the soft parts and dip the roots and rhizomes in a solution of water tinged pink with potassium pomanganate. Dusting the roots with powdered sulphur, after the diseased parts are cut away, is also recommended.

NOTE—I have tried the 1st and 3rd with excellent results and secured bloom at the normal time. With No. 1 I had wonderful results and saved several of my finest varieties.

PERENNIAL PHLOX

I call Phlox the Oliver Twist of the garden, they never get enough to eat. They are the grossest feeders, but they repay you for it in bloom. In the Winter top dress them heavily, and they should be lifted every three years and the earth given a good supply of manure well spaded in. The plants can then be divided, too, and this is best done by simply cutting them apart, with a sharp spade, and not pulling apart. Feed well continually as you do roses.

Phlox can be planted in the Spring or Fall, which ever is most convenient, and though you forfeit some of the bloom they will reseed themselves, bringing some new varieties, if you let a few late blooms go to seed and drop themselves. These I call my "finds," and



Gardens Are Resplendent in July and August with Phlox they are very healthy and often quite pretty, but very seldom the variety of the mother plant.

For succession of bloom, and to prevent having all blooming at the same time, you should pinch back some of the tips of the plants. This makes these parts throw out side shoots, and also bloom later. In this way

(Concluded on page 217)

SPRING FLOWERING BULBS IN TEXAS

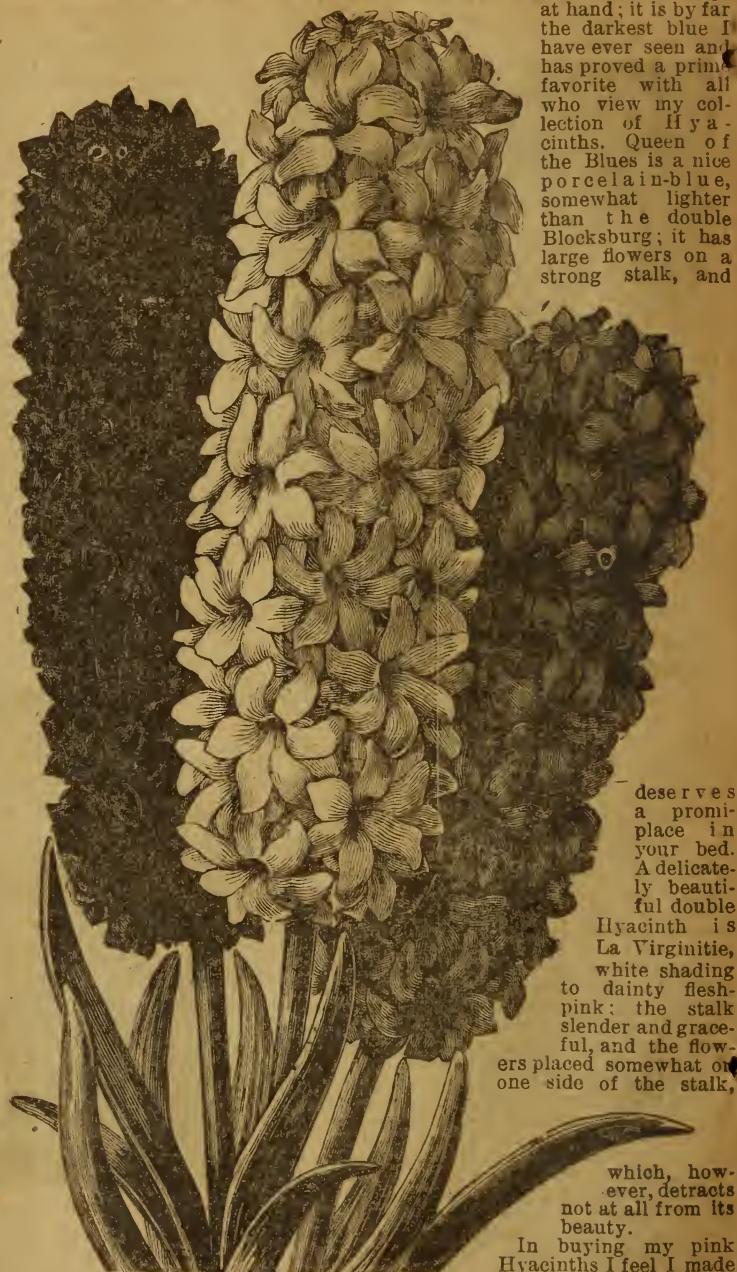
Florence Hartman Townsend

Far too few Spring-flowering bulbs are grown in Texas. They come, too, at a time when the sight of them is most welcome. For myself, I prefer Hyacinths to anything; they are so deliciously fragrant, and their color range so varied that all tastes may be satisfied. I have bought Hyacinth bulbs from several seedsmen and have never had a bulb that failed to bloom. Not so with Narcissi; I have found them very liable to lie in the ground in Texas for years with never a sign of a blossom.

I have quite a variety of named Hyacinths, the merits of which I will attempt to describe. L'Innocence is the purest, waxy white, with medium-sized bells, loosely placed; a dainty flower and one of the best whites. La Grandesse, of which I had a dozen in bloom at once last Spring, is another fine white, the flowers large and heavier than those of L'Innocence, the petals being much broader and less curling; it has a shorter stalk, generally speaking, than L'Innocence, but the flowers are well placed. If I had to choose between them I would not know how to proceed.

Of the blues I have several that are surpassingly beautiful. One of these is Blocksburg, a double one with immense stalk and flowers; it is splendid. King of the Blues is much advertised and quite popular, it seems, but though its color is very attractive I have not found it as satisfactory in this State, either as to shade or manner of blooming, as an early variety

whose name I have forgotten and description of which I fail to find in any of the catalogs at hand; it is by far the darkest blue I have ever seen and has proved a prime favorite with all who view my collection of Hyacinths. Queen of the Blues is a nice porcelain-blue, somewhat lighter than the double Blocksburg; it has large flowers on a strong stalk, and



KING OF THE BLUES LaGRANDESSe LaVICTORIE

which, however, detracts not at all from its beauty. In buying my pink Hyacinths I feel I made a mistake—I selected Gertrude, which, to my notion, is too compact to be altogether beautiful, though I find many who like the flowers crowded and overlapping on stalk. To me, the more loosely set flowers (Page 200) are more attractive. Gertrude is a

bright, attractive shade, however, and makes a lovely patch in the bed.

I was very anxious to secure some nice reds, and bought a dozen La Victorie. Although a very bright and attractive shade it is not just the true red I had wanted, so shall try other reds this Fall. La Victorie is more of a vivid, deep rose-pink, slender of stem, with individual blossoms of medium size, and lovely flower.

I have other varieties but the names of some I have forgotten, so will not attempt to describe them. The list given above covers all colors but yellow, and I have never had the yellow ones, but have seen Yellow Hammer in bloom in other yards; it makes a nice-sized stalk, the color being more of a rich, deep cream, it seems to me, than yellow.

I have never bought named Tulips, having always gotten them in mixtures under different heads; that is Darwins, Early Blooming, etc. I have a few early yellow ones that are the purest yellow; they make a bright bed, but the stems are too short for cutting. The Darwins have splendid, long stems, which make them desirable for bouquets, and, added to that, they have wonderful keeping qualities. I have found Tulips a little less reliable as bloomers in Texas than Hyacinths, but they multiply rapidly, and frequently very tiny bulbs produce nice flowers.

Among the Narcissi there is such a variety of types one scarcely knows where to begin. I have several sorts, but my favorites are Emperor and Empress Giant Trumpet Narcissus and the dainty Poet's Narcissus. The two first named are huge and very desirable additions being unsurpassed for cutting. Their foliage is broad and more attractive than that of any other variety in my collection. I love the Poet's Narcissus for its delicate odor and, too, it blooms when all the others are gone. Double Von Sion nearly always comes green, but occasionally one escapes and comes true and then they are quite pretty. The yellow Jonquil is so early and golden that we cannot possibly do without it, and many are the cheery bouquets one may gather from a dozen or two bulbs.

A good-sized Hyacinth bulb will almost always produce two, and frequently three, stalks of bloom, whereas the Tulip and Narcissi send up only one—at least for me.

Every third year, in the Fall, I dig up my bulbs, dividing those that have multiplied, and remove them to a new bed. It is almost impossible to keep a bulb bed mellow, not being able to do much digging because of almost

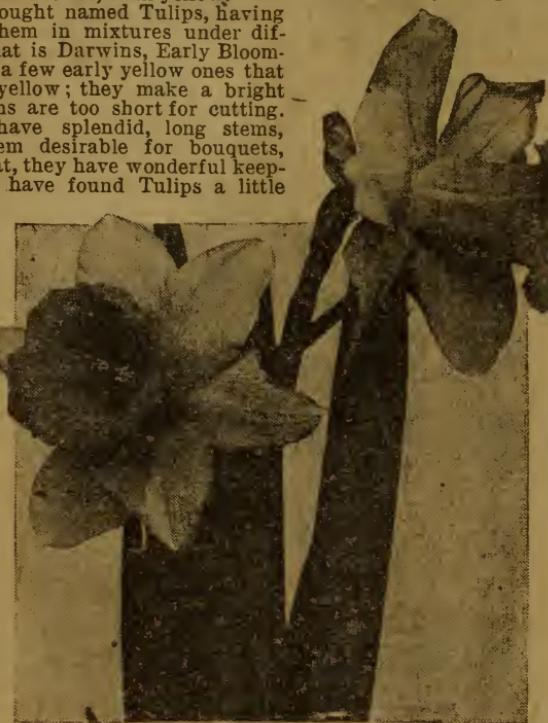
certain injury to the bulbs, and so I find it desirable to move the bulbs to a new location so that the old bed may be dug, enriched and made mellow again.

IN VIRGINIA I SOW SWEET PEAS IN THE FALL

Last year I made three plantings experimentally, the first the middle of September, the second on the 11th of October and the last during the first week of November. The soil was warm, and in two weeks they were up and continued to grow nicely throughout the Winter, injured by neither frost nor snow.

In March those I had sowed in September were budding and I lost them in an unusually hard freeze; so September is too early to sow Sweet Peas even in Virginia.

But the other two lots did beautifully, and the first of May were in full flower and continued blooming until mid-summer. In fact, when I cleared away the vines they still carried many pretty flowers, although they were becoming quite small. I had only a ten foot row, but in June, when the school closed, I furnished Sweet Peas, the class flower, to decorate the church for the Baccalaureate sermon, and had enough to present five



TWO FAMOUS GIANT FLOWERING TRUMPET NARCISSUS—
EMPEROR AND EMPRESS

graduates with their bouquets.

I dig my soil very deep and work it up real soft; then I open up a deep trench through the middle and fill it about half full with hog pen manure, pressed down firmly, and right on top of it I sow my Sweet Peas. After that I cover in with about four inches of good, rich soil. About two weeks later the shoots began to appear, and in March I provided them with chicken wire to creep up, and it is wonderful to watch how they grow.

Always keep the flowers picked off to prolong the season of bloom.

And now I have told you how Sweet Peas are successfully grown in Middlesex county, Virginia. Mrs. M. E. French, Regent, Va.

Strong growing Roses, like Ramblers, need little or no pruning, only trimming a little here and there to keep them within the form and size you desire; but Roses with weak growth should be well pruned back for especially perfect, large flowers.

A FLOWER FRIEND GONE DECIDEDLY BAD

To the new comer from the North our long Summers and short, mild Winters offer unlimited opportunities for enjoyment of their flower friends. To such I say, from the depths of my own experience, "Go warily". You have been used to a comparatively short growing season and a Winter that freezes the roots and checks the vegetative processes for months at a time. Flowers can be a joy under these conditions, and yet, when these are practically reversed, some of them can become grim pests.

I was raised in northeast Missouri, where the ground is often frozen two feet deep. Every woman pians her dream home, and mine included a Trumpet Vine, *Bignonia*, near the porch. When I bought my home in southwest Arkansas one of its charms to me was a large *Bignonia*, at the corner of the porch. The former owner dryly replied to my rhapsodies, "Yes: it does attract humming birds". Later I understood. Here it is an unusually cold spell that freezes the ground for two inches. Beneath that the snake-like roots of the *Bignonia* go creeping, creeping, gathering strength, through the long mouths. The house measures about 35x52



feet, and, like other homes here, is raised on underpinning, a few inches above the ground, to allow for ventilation. By lying flat on the ground I can see the ghost-like stalks of the plant, white in the semi-darkness, that are growing under there, till they reach the flooring, and then along that until they come to daylight on the other side of the house. If there is the least space between timbers a tiny shoot enters and remains growing. Two shoots have already come out through the woodwork, on the opposite side of the house. We have cut and grubbed, but secure in their stronghold under the building, the house would have to be wrecked to eliminate them. Of course my home is doomed, it seems sturdy and well made but it can resist that insidious enemy only a few years longer.

If I buy another home in the South, one point to be investigated is that no Trumpet Vine grows within a hundred feet of the house. One experience of

this sort is enough for me.

And the *Bignonia* or, Trumpet Vine, is not by any means the only cherished floral friend of our Northern homes that goes bad in the rapid-growing climate of the Southland. Had I time, I could tell you of several more; perhaps I shall if you ask it. Mrs. L. D. Cole, Ark.

WATCH YOUR DAHLIAS CAREFULLY To Discover This Condition

The Editor of the Magazine has received a communication from a reader stating that some of his Dahlias which were one color last Summer are an entirely different color this season, and asking the reason. He says he has been careful in his records, and in his labels, and wonders whether a change could have taken place during the Winter while the tubers were in storage, in his cellar.

The varying ingredients of soil and methods of culture and fertilizing have an effect in intensifying the colors and shades of certain flowers, but we have never personally experienced a happening like this with Dahlias.

Have any other readers of the Magazine known anything of this kind? If so we certainly would all be very glad to hear from you.

A MARYLAND GIRL

I know the dearest little girl.
Her name is Irene B.
We write each other twice a week.
We live apart, you see.

Her hobbies are the same as mine,
She's daffy over flowers.
And reading—I'm ashamed to say
We squander many hours.

Our Floral Magazine we love,
And read it word by word.
About such lovely plants and shrubs
Oh, yes, and 'bout the birds.

She has a hundred potted plants,
I have about the same.
And if in doubt and are not sure
Write "Park's" and ask the name.

Hark! My shepherd dog comes barking.
I've promised him a walk.
Yes, Foxie, I'm a-comin'
So this must end my talk.

SWEET PEAS;**The Flowers of July and August**

Throughout the length and breadth of the land, during the months of July and August, the dainty Sweet Pea brightens the lives of millions of people with its fragrance and beauty.

The earliest known cultivation of Sweet Peas was in 1650, and for centuries only a few



varieties were grown, and those only in small quantities. But since the year 1900 the annual product of Sweet Pea seed has reached about 100,000 lbs., of which more than one fifth is grown by a single firm, in California,

and the different varieties in cultivation today would be hard to count, or name.

It is difficult to determine whether the Sweet Pea was developed from the wild type known as Goat's Rue, or Cat Gut, or from the common garden Pea. The wild Pea has a tough, fibrous root almost strong enough to make a violin string.

Sweet Peas thrive best in a moderately rich soil; if too rich it over-developes, and when too poor under-developes the foliage to the detriment of the blossom. However, the smaller the flower the sweeter the fragrance.

The Perennial Pea, or Lathyrus, is larger and coarser in vine, but smaller in flower, and lacking entirely in fragrance.

Years ago the common garden Pea had considerable significance for the younger people, the English and Scottish lassie who found a pod with nine peas in it laid it up on the mantel, and the first man, baring relative or married man, who entered was to be her future mate, while the jilted lover was rubbed with Pea straw to ward off the ill effects of his disappointment.

Mrs. Mildred Fisher, Topeka, Kans.

A TIMELY RE-BLOOMING HINT

Do you know you can prolong the blooming time of Petunias, Coreopsis, Larkspur, Portulaca, and other plants by cutting stalks back to a few inches above the ground and fertilizing, thus encouraging a new start? Do this when they commence to seed well. Tomatoes, among vegetables, are notable examples; last year I raised three crops from the same roots.

Mrs. L. B. Grando, Tampa, Florida.

THE AMERICAN NATIONAL RED CROSS holds its annual nation-wide ROLL CALL from Armistice Day, November 11th, through Thanksgiving Day, November 27th. In this period it seeks to re-enlist its present membership and to enroll new members for 1925. The Red Cross "makes its appeal for support directly to the conscience of mankind". Every one is invited to join through the Local Chapter or Branch.

A REMINDER

Just to remind you to set aside a dollar with which to buy a membership in the American Red Cross during its annual Roll Call, November 11-27. This dollar will buy relief for disaster victims, for disabled ex-service men; it will buy instruction in First Aid and Life Saving; in Home Hygiene and Care of the Sick; in Nutrition and Food Selection. Where can you get more for your money? Surely not in any store on Main Street. And you will have the satisfaction of knowing that you, as a member of the greatest humanitarian organization of modern times, are doing your part in the work of relieving suffering.

Join now!

The American Red Cross
Serves Humanity

A September Picnic Visiting Dahlias and Gladiolus In Ohio

One lovely morning in September I left my ironing in answer to a cheery call at the kitchen window, "come with us for an all-day picnic". Hurriedly donning my coat and hat I climbed aboard the Reo with my friend and her husband, not a bit surprised to learn

that she does Dahlias, exhibits at the County Fair, has windows full of house-plants all the time, porch boxes, glorious Annuals, and, well, most everything that blooms.

But into the car again, shooting along smooth, level roads bordered on either side by



ONE OF MY FRIEND'S LOVELIEST NEW DAHLIAS

that our first stop would be to visit a Dahlia garden, for my friend is a flower-lover, a Gladiolus enthusiast who has many beautiful originations on the market, and whose chief hobby and pleasure in life also brings her solid returns in good, hard cash.

How I do wish that every reader of the *Floral Magazine* might have seen those Dahlias. There were flowers of every variety and color, grown to perfection, great, glowing balls of beauty, two hundred named sorts grown by a busy farmer's wife, who has all the duties of a housewife and a mother to attend to, but grows even more Glad- (Page 204)

wild Aster in varying colors, Golden-Rod and Joe-pye-weed. The forest trees were beginning to don their exquisite autumn coloring. On for miles we rode through ever changing scenery, until we reached our next objective, a creamery, the manager of which is also a flower-lover. On either side the drive-way was bordered with Kochia, and, until I saw it thus grown by hundreds and thousands I never knew how beautiful it could be. Flower beds stood everywhere, in all forms and sizes; arch-ways covered with Cardinal Climber and various pretty vines; white Clematis hiding walls and filling the air

TO A RADIANCE ROSE

I find no fitting words to tell completely,
Your constant loveliness sweet Radiance Rose,
In all the bloom filled world of beauty
I think you are the kindest flower that grows.

Once I had scented your sure recurrent blooming,
Alas! I knew not that rare constancy,
When flower friends fled in blight and unkind weather,
Alone you stayed to cheer and comfort me.

In wayside gardens, weedblown and unsightly,
Your rosy sweetness beckons like a star
That scintillating glows amid the darkness
Of skies where lowering storm clouds are.

In cloistered gardens, fragrant and sequestered,
Where pale hums breathe their reverential prayer,
Your presence seems a radiant benediction,
Cheering the dull routine of toil and care.

Down gardens opulent, with fair ensemble,
Of terraced slope and softly shaded close,
You stand serene, your lustrous blooms impartial:
I think you are the kindest flower, dear Rose.
Maria Briscoe Croker.

with fragrance; the whole parking forming a picture of beauty I can never forget.

On again, this time to the bank of the river, where, under a huge spreading elm tree, the baskets were unpacked, and we found that

FRIENDS' FLORAL CORNER

Dear Floral Friends: June is the month of Roses back in the East, but out here it is Rose time the whole year through, and I want to give Friends my way of slipping, not only Roses, but most any other plants. I cut my slips on a 45 degree slant and remove leaves; I have a large flower pot about 1½ feet across, which I fill with sand, and in the center of this pot I place a smaller one, with a cork in the hole at the bottom; sink the second pot down until its top is on a level with the sand. Now take your slips and place them close to pot No. 2, deep down in the sand, leaving about two inches out; fill the smaller pot with water, which keeps the sand moist. As the water seeps away replace it so that pot will never get dry. In this way I have slipped many cuttings that are quite impossible to procure in any other way. Of the Scarlet Bougainvillea, which they tell me is very hard to slip, in this way, taking slips in April, I have rooted many fine plants. I wish the Floral Friends could take a walk with me in my garden and see my lovely flowers. Some days I have gathered my arms full but you would not think I had cut a single bloom. For the increased helpfulness of the Magazine I wish every one would tell her method of starting plants from cuttings, seeds and otherwise, and their care. Slips and plants are very hard to ship out of California, on account of our drastic laws. Sometime I'll tell you of my trip to Azalia creek, where the flowers of that name grow wild.

Mrs. F. T. Read,
3721 Bancroft St., San Diego, Cal.

Dear Floral Friends: I am almost seventy, but all my life I have loved every growing thing, and with the exception of one Winter, when I was ill, have never been without flowers. And my mother before me always had her windows full, and the great outdoors, the woods and the fields, were always my delight. When I lived in the city, as I did for a long time, I had my window boxes and stationary boxes on the flat roof. One time the landlord put earth right on the roof, and made the ladder a stairway so that I had a flower garden all Summer right over my head, which furnished many a bouquet to those who had never grown them, and to some who never before owned even a cut-flower. I think a great deal more might be done by thoughtful city folk to beautify their windows, and their often tiny backyards with flowers, and they have hospitals so near them, many of the patients from the country folks who would be so cheered by bouquets of flowers they were used to and that they knew had not come from a florist. Now I am back in the country, and I have a garden filled with all sorts of flowers, and last Summer my white Roses furnished such a lovely bouquet to lay over a dear friend, who had gone over. It seemed to me as though the Roses knew their mission for they looked up so sweetly and sympathetically. Later, a dear old relation passed away. In life she had loved "Lady Delight" (perhaps you call them Tufted Pansies) so I made a wreath of them; they had cheered her before she had gone, when her precious hands were barely able to hold them, and they went with her to the grave. I am an old woman, but I plead with the younger generations to respect and love flowers, and to realize how much they can do to cheer the sick and needy, and to uplift the strong and well, with a bouquet plucked from their own plants, carrying it to them in their own hands, along with a smile and a word of comfort. Mrs. F. F. Rhodes, Mass.

DEAR FLORAL FRIENDS: I just had to write and tell you what beautiful Sweet Peas I have had this year, thinking you might like to try your luck next Spring. We sowed our seed as a mixture of colors, the last part of March, when there was not much frost. They remained in the ground for about three weeks and by the last of the fourth week were all well up. We planted them extra thick, in clay soil mixed with sand, on both the east and west sides of the garden fences. For a month they just grew, but the last two weeks of May were just full of bloom, every imaginable color; the stems were from five to seven inches long, each bearing from three to five blooms. Every one said, "You have the most beautiful Sweet Peas I have ever seen", and ask how we grew them, so I am writing this to you.

Lillie Mae Palmer, Ardmore, Okla.



AND A BOUQUET OF HER GLADIOLUS

the ride and feast of our eyes and souls on the beauties of Nature had given us a glorious appetite, to enjoy the good things prepared for us by a generous hostess.

Into the Reo once more, and around by the old home farm, where my friend began the culture of Gladiolus, and we watched the cutting and packing of 1700 Gladiolus for market, although it was far past the season.

And then the ride home in the quiet twilight, feeling that it had been very much worth while—"The end of a perfect day", and thankful I was that life had given me such friends and so many beautiful things in Nature to enjoy. "For the I own no foot of land, all the beauties of earth are mine, to enjoy".

Gloxinia, of Ohio.

PARK'S FLORAL MAGAZINE

SPRING FLOWERING BULBS

The most welcome flowers I have in my collection of Hardy bloomers are the early Spring flowering bulbs,



A STATELY MAY-FLOWERING TULIP
coming after old King Winter has shaken himself awake
and fled farther north. True, he often returns when

they are in their full glory and buries them under two feet of snow, but it soon melts and they are little, if at all, injured by their chilly bath.

The snow is hardly gone in Spring till out peep the little Snowdrops, with their tiny, white, drooping bells. They come in both single and double form. Some say they will not if planted near each other, but so far mine remain true to their type.

The Winter Aconite, with its golden blossoms, looks very charming and forms a striking contrast to the Snowdrops, Scillas and Chionodoxa.

The Crocus, in all their lovely tints and colors, make a beautiful border for other bulb beds. Try planting them three or four wide for border, or scatter them over the lawn by digging up a tiny piece of sod and placing one or two bulbs in each spot. The flowers will all be past and foliage can be cut when the first mowing is made.

Then comes the Hyacinths with all their sweet fragrance and beautiful colors; white, pink, lavender, blue, purple, red, yellow, in large spikes of singles and doubles. Who can resist them? To me the single Hyacinths are the most beautiful.

I have my best Hyacinths on the east side of the house, in a well protected place, and there they last for weeks, shielded from the hot, noonday sun and the dry, west winds. They get over a foot high for me. I have had them four years now; none could be better. Every two years I lift them and make up the ground new and reset at once.

Who can neglect the Narcissus? They come with a merry rush and nod to you as you pass them. Of all the early Spring-flowering bulbs, the Narcissus stands more neglected than any other. Although they respond to good treatment by giving forth larger flowers and an increase in bulbs, yet they do not resent the neglect. To me the old standby, Von Sion, has more attraction than any other, but Golden Spur, Mme. de Graaff, Mrs. W. T. Wave, Victoria, King Alfred, Emperor, Empress, Sir Watkin, Gloria Mundi, Albatross, Almira, Elvira, Van Waveren's Giant, Daffy Maid, Stella, Duchess of West minister, and a host of others are beautiful and more expensive, yet Von Sion is my choice.

The stately Crown Imperial must not be overlooked, but please look at them only, as they are grown for their beauty, not fragrance. They are a large, pendent, bell shaped flower of various colors: yellow, white, black, red, purple and orange. In some sections of this country they grow wild.

After warm weather comes to stay the Tulips begin their march and keep coming until Decoration Day, with all their wonderful colors. If you want something odd, just try a few Parrot Tulips, Fru Brilliant, Markgrave and Cafe Brun are my favorite Parrot Tulips.

Then come the Grape Hyacinths, Cascade Hyacinths, Star of Bethlehem, Leucocym Vernum, with their pretty flowers.

There are later bulbs, such as Lilies, Peonies and Iris, but none are so wonderful as the brave, little Spring flowers.

Mrs. Norman Stoner, Ind.



▲ PAIR OF GOLDEN YELLOW "EMPEROR" GIANT TRUMPET NARCISSUS

THE HARP OF MEMORY

So many strings in Memory's harp
Were softly struck today,
And thoughts too deep and dear for words
Came flooding all the way.
Oh, you were there, and I was there,
And all the old time friends
Had wandered back to meet again,
From all earth's varied ends.

Oh, you were glad, and I was glad,
And every face was smiling,
And love serene the years between
Of sorrow seemed beguiling.
There were no graves in Holy Cross,
Mr. Peace had never been,
The ones that slept had never slept—
They all were with us then.

Yet, one by one, the dream friends went,
Till only you and I
Were sitting by the fireside there.
And then—you said good bye,
Somehow I caught the sorrowed note,
Or sadness, in your tone,
I started quick—the harp was stilled
And I was all alone

('Twas but a dream, a phantasy,
In firelight gone astray.
Still yet, with childish faith, I hear
The Harp of Memory play.)

Dan Sweeney, Ohio.

ASARUM CANADENSE; WILD GINGER, OR CANADA SNAKE ROOT

Some years ago Asarum Canadense was one of our most familiar, native, hardy Perennial plants, but, like many others of our native species, it is gradually disappearing from the shady woodlands where in past years it abounded, and I think that in a few years it will only be found in the rockeries, or mixed flower borders of our enthusiastic plant cultivators.

Its native haunt is in rich, partially shaded woodlands, where it can be easily recognized by having a single pair of broad, kidney-shaped leaves, and a single, large, brownish-purple flower, borne in the fork of the long petioles, or leaf stalks, close to the ground, during the months of May and June.

The Wild Ginger is a plant that takes kindly to, and is much improved by, cultivation in the rockery or flower border, if given a very deep, well enriched soil, a partially shaded situation, and is not allowed to suffer for want of moisture during seasons of drought. A mulch of some coarse, littery material should be given during the Winter months.

The roots of this plant are highly pungent and aromatic, and in taste resemble that of ginger, and the plant, when well developed, is a most interesting one. It can be removed from the wild at any time if care be taken to have good balls of earth attached to the roots and to keep the plants well supplied with water until they have taken hold of the soil.

Chas. E. Parnell.

SOWING CANNA SEED

May I give you my experience with Canna seed? I put mine in a teacup and poured boiling water over them, and left them in till next morning, when I planted them in the ground outdoors where they came up in a short time. But my neighbor put hers in the dirt without scalding, and waited, but they did not come. When she heard how I did she took them up and poured boiling water over them and then they did come. I have seen it recommended to file them, but I think scalding is so much easier. Mrs. Henry Smith, Litchfield, Mich.

A FEW IDEAS FROM NORTH CAROLINA FOR NOW AND LATER

This Fall a year ago I took up from my yard a Salvia plant that had not flowered all Summer, and I put it in a pot and took it indoors, where it bloomed a little during the after part of the Winter. When the first of April arrived I transplanted it once more outdoors, breaking off the limbs until within six inches of the ground. It grew splendidly, putting out new branches, and in June again started flowering. In August I had to go away and when I came back in September it was a perfect beauty, actually covered with its bell-shaped flowers encircling the stalks.



PHOENIX DACTYLIFERA; THE DATE PALM

Other Salvias I had set near by, from Spring sown seed, were nothing like so fine, I mean they did not have nearly so many flowers. It may have been helped by the fact that I gave the old plant a little bone meal but none to the others.

As a result of my experiment I certainly shall pot up a Salvia every Fall for Winter blooming indoors. In the yard Salvia in our part of the country blooms until between Christmas and New Years.

Dahlias fertilized with lime, or the droppings from the hen-house, make most gorgeous flowers.

To cause Roses to bloom freely manure heavily in the Fall and in the early Spring scatter bone meal around each bush and dig both well into the soil.

Ferns enjoy ammonia water; I give them the water from the drain pipe of the refrigerator and it helps their growth marvelously.

Have any of the Magazine readers ever tried planting a Date seed? I have several palms, small but growing thriflty out of doors right now, which came from Date seeds.

I sow my Poppy seed in the Fall, the little seeds bursting quickly and the tiny plants up almost before one can turn around. During warm spells, which frequently occur here, they grow rapidly, providing themselves with strong stalks which remain until Spring, and before there are many other flowers in the garden the Poppies are nodding their lovely heads to us in the gentle breezes.

I think those of us who have little secrets that succeed with our flowers should be glad to impart them to others—let us flower-lovers become acquainted; some of us are lonely and many of us are sad, while others have an overflowing abundance of joy and sunshine to brighten all our lives.

Mrs. L. Felton, Beaufort, N. C.

CACTUS BLOSSOMS

The first Cactus to open its lovely cerise blossoms in Spring, out here in Arizona, is E. C. Englemannii, followed closely by Opun-

scarcely a single day since the native Echinocereus opened its first flowers that I have not had a few plants in bloom, and my budded plants give promise of yet more to come.

Wild Rose.

FRIENDS' FLORAL CORNER

DEAR FLORAL FRIENDS: I am a lover of all flowers and spend most of my time protecting these wonderful plants from the bugs and weeds. Last Fall I tried something new—I took my Four O'clock roots up, put them in a tub of dirt in the cellar, and when Spring came I brought them to the light. They had sprouted, so I set them out. They grew five feet high and were a solid mass of blossoms, while those I planted in form of seeds, in the Spring, were not nearly as full of bloom and grew only about two feet high.

Friends who are raising Four O'clocks try this. People came from all over to see mine, and told me they loved them because they are old-fashioned. I hope the rest of my Floral Friends will feel the same way as I do, that the love for these blossoms that our great grandmothers loved should not be allowed to die out.

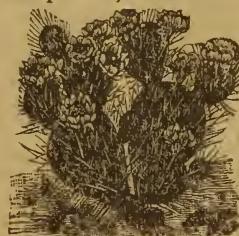
Four O'clock, Kansas.

DEAR FLORAL FRIENDS: Are any of you bothered by passers-by picking your flowers within reach of your sidewalk? For several years I have tried to grow white Petunias at the foot of my lot, and what a show they do make until some one comes along and pulls them off, and up. I let them self-sow, and this year I have added a little Portulaca and Sweet Alyssum, but the Petunias are by far the best. In some way one of my precious seedling Dahlias and a little red Salvia and Coreopsis appeared in the bed; how they got there I do not know, but it was a pretty bed all Summer.



ONE OF THE "ECHINOCEREUS"

tia Basilaris, also cerise, and, next, Opuntia Hystricina and the various other Opuntias. These are all native varieties, and along with them are Echinocereus, Ennacanthus, E. C. Mohavensis, E. C. Caespitosus, Mamillarias Appalanta, Decipiens, Grahamii, followed by E. Horizonthalonius, E. Setispinus, M. Arizonica, M. Montana, succeeded by Decipiens, M. Micromeris and other Mamillarias about May 15th. The Echinopsis begins blooming soon after, sending out their long trumpets that open into lovely pink and white blossoms. After which come Horizonthalonius and Setispinus, the latter blooming at intervals all Summer. My Horizonthalonius has bloomed three times; M.



AN "OPUNTIA" CACTUS



MAMILLARIA MICROMERIS IN BLOOM

Decipiens and M. Micromeris twice; while the Echinopsis are almost ready to open their second crop of blossoms. There has been

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SHASTA DAISY

Wonderous Shasta Daisy!
Won't you please unfold
Those dainty little petals
That hide your heart of gold?

I miss your glorious beauty,
For no other can compare
With your wealth of flowers,
And their fragrance so rare.

Long have I been waiting,
Impatiently each hour,
Longing for the day to come
When I might view your flower.

So tell me, Shasta Daisy,
How long are you to hold
Those dainty little petals
O'er your heart of gold?

Winnie A. Meeks, Rusk, Texas.

FRIENDS' FLORAL CORNER

Dear Floral Friends: Were it not for my two wee baby boys and my flowers, I'd have many a lonesome day in far off Texas, and I have only a few plants at that, all indoors, as our yard is too hard and rocky to grow anything. I would like to correspond with Sisters who have windows full of all sorts of flowers, and who will tell me about those I love best. I think I have one hint for you I have not read in the Magazine: if you will clean fish in a pan of water and then pour the bloody water over your Ferns they will sure grow; you can actually sit and watch a Lace Fern become larger and healthier. Do this not oftener than once to twice a month.

Mrs. Lena May, R. 2, B. 41, Barry, Texas.

Dear Floral Friends: Mrs. Stewart's suggestion for massing puts me thinking of my Impatiens Sultan corner. It is at the northeast corner of the house and porch, and gets a little morning sun. Nothing seemed to do well there until I planted a dozen Impatiens Sultan; they thrived extraordinarily well and made a beautiful display from early until late, a mass of green and pink contrasting exquisitely with an edge of Sweet Alyssum.

Miss Botsford, whose articles I have been enjoying so much, has made me feel how rich one's heritage must be who makes flowers her friends in fact as well as fancy, and I have determined to go and do likewise.

Mrs. McKee's Lily of the Valley indoors idea I have tried, but without success. Perhaps I have not done it properly.

Evelyn W. Brooker lifted such a load from my mind, because I planted Narcissus, Iris and Tulips in the middle of December without any doubt in my mind as to the result, and I have remembered what she said about not removing the covering, but, if anything, to pile more on.

I wish Nan Tucket would tell us something more of the care she gave her Yucca from seed until the full grown plant, and how long it was until it blossomed? I have a wee shoot and am wondering what to do with it next?

I also want to know if I shall plant my Caladiums in full sun? I could wander on indefinitely as there are so many things I want to ask, because none constantly meets something with flowers and has to experiment

more or less until he reads in the Magazine just what he needs to know. For instance, I put my Toad Lily down in the cellar last Fall, and the main stem dried up, and I did not know what to do; thought I had lost my plant; but lo and behold! just the other day I noticed new shoots coming through. Now, am I to bring it up to the light, or what? Mrs. Robert Onish, ("A. E. S. O.")

Route 1, Mukwonago, Wis.

FRECKLES

Now Is the Time to Get Rid of These
Ugly Spots

There's no longer the slightest need of feeling ashamed of your freckles, as Othine—double strength—is guaranteed to remove these homely spots.

Simply get an ounce of Othine from any druggist and apply a little of it night and morning and you should soon see that even the worst freckles have begun to disappear, while the lighter ones have vanished entirely. It is seldom that more than an ounce is needed to completely clear the skin and gain a beautiful clear complexion.

Be sure to ask for the double strength Othine as this is sold under guarantee of money back if it fails to remove freckles.

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Walking and Work Easy



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all that you say for it. I feel like a new
woman, after complaining for about 8
years with womb troubles, whites,
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etc. I have not had a pain since wearing
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FIFTEEN DELIGHTFUL PÆONIES

In a number of the Magazine of some months ago a list of ten Pæonies was given, the prices of which were well within reach of us all, and an invitation was extended to criticise the list and substitute varieties of our own, with reasons for preferring other named sorts. I do not remember that any one accepted the challenge, and, therefore, I am offering my choice, and they can all be had at from seventy-five cents to a dollar a clump. But I surely cannot stop at ten, and am going to name fifteen because I prize each and every one of them.

Mad. de Verneille is snowy white, forming a crinkly ball, on a strong, free-growing plant; Golden Harvest, pink and cream, has lovely buds of light red; Princess Beatrice is extra large, in pink and white, and decidedly fragrant; La Coquette, a large, high crown in deep pink and salmon; Gigantea, also sometimes known as Lamartine, is immense, fluffy balls as large as an early cabbage, dark pink and rather a slow grower; Berlioz, almost the color of an American Beauty Rose, large and showy; Triomphe de Exposition de Lille, pale pink, big and free-blooming; Model de Perfection, quite like it, equally attractive and just sufficiently different so I must name both; Mlle. Renee Dessert, very dark, deep pink; Mons. Dupont, deep cream, with extraordinary heavy, rich petals and wonderful fragrance; Eugenie Verdier, a dainty flower and splendidly beautiful, a pale pink; Marie Jacquin, of the Water Lily type, in pure, rich white—a vase containing two or three of these flowers can hardly be surpassed in chaste loveliness; Louis van Houtte, red with a purple cast; Gypsy, a Japanese Pæony of prominence, in deep pink; Mad. Ducel, pure pink, of exceptional beauty, strong and free.

I have in my collection forty-five varieties for which I paid two or three times the price at which I purchased the fifteen I have named herein. And I am glad I have them, because I know of nothing in the way of flowers wherein quality shows so well for its extra



cost. Among them I have an Evening Glow, a Baroness Schroeder and a Ruth Brand, and surely nothing can be more perfect and beautiful than this trio.

If you can afford higher priced varieties than I have named by all means buy them, and be thankful that you can. But if your pocket-book is slim never, never hesitate to buy moderate priced Pæonies, for, when well grown, there is a world of beauty in them for you. If you give them no care at all you can expect but ordinary results, but take a little time to cultivate them often, to give them, once a week, while in bud, a liberal drink of weak liquid manure, and to cut out some of the buds, and the results will be simply magnificent even with the very low priced sorts. Remember, too, low prices do not necessarily mean inferior varieties, but usually Pæonies that are old, and have stood the test of time, and the roots of which are in more generous supply. Only a truly good Pæony can become old, because if it is not a satisfactory flower it would have disappeared long ago.

Choose your varieties with care, remembering that when you are planting Pæonies you are setting out a treasure that is good for a lifetime. Good flowers take no more room than poor ones and are grown just as easily. And do not make the mistake of condemning a flower that does not quickly seem promising; wait until after it has become established—nearly all Pæonies give rather poor flowers for two, and even three, years after they have been set out. When they have come into their own, and each clump has matured, then you have a priceless heritage.

Paony Lover, Athens, Ohio.

FRIENDS' FLORAL CORNER

Dear Floral Friends:—I am sending in my experience with Lilac bushes in answer to Mrs. Addie Lee, of Texas. Years ago, when but a child, I found a Lilac bush in an open field among rocks and brush. It was dug up and taken home where it was transplanted with care but never bloomed. Having read about forcing them to bloom I tried the following plan: on August 1st I stripped every leaf from the bush, just as thoroughly as though they had fallen naturally. It came in leaf again as fully as in Spring and bloomed in September, and continued to bloom every year thereafter, in Spring. Try this Mrs. Lee and let us know what luck you have. Do any of our readers make artificial flowers? I should like to read a letter from any who do.

A Flower seems such a little thing,
But Oh what joy it always brings,
In sick room and in pleasure's hall
Where no flowers are 'tis no home at all.
Mrs. Harriette E. Rose, R2, New Plymouth, Ohio.



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under which you were born. Send exact name, address and exact date of birth, receive astrological interpretation in plain sealed envelope, post paid. A great surprise awaits you. Enclose 12c to cover cost of printing and mailing. Address me personally—DHASSI,

THE FERNS

We grew beside the laughing-brook,
Amid the grass and flowers;
Off' were we by the sunshine kissed;
Off' bathed by Summer showers.

The gentle night winds o'er us breathed
And blessed us while we slept:
While far above us in the sky
The stars their vigil kept.

At early morn the woodlands woke
To bird songs, wild and gay;
While from the faintly tinted east
The dawn crept bringing day.

On happy, golden Summer days,
Your memory shall not die;
For you are treasured in our hearts
To cheer each passer-by.

Violet M. Hodson

DO YOU APPRECIATE BERG-AMOT?

How many have grown the plant known as Bergamot? The leaves have a pleasant fragrance and the bright, red flowers are pretty and quite showy during July and August. It is a hardy Perennial plant, two feet or more in height and increases rapidly. Other names are Monarda Didyma and Oswego Tea.

F. R., Springfield, O.

FRIENDS' FLORAL CORNER

Dear Floral Friends: I enjoy reading in the Magazine about the Wild Flowers of the several States, and I notice that some folks are trying to grow them in their gardens. I love flowers anywhere, but I do think the Wild ones are much prettier where Nature places them.

Up here in Alaska the first bloom in Spring is Dogwood, and when the trees are fully out the hills look like mountains covered with snow. Of the early meadow flowers I enjoy especially the Wild Tiger Lily, that prefers to grow in Pine thickets, and the Carolina Canna, with its low branches and spikes of lovely, red flowers. The Wild Sweet Pea and False Dragon are beautiful, and Water Lilies are in every pond and leafy brook that winds its lazy way towards the river. The low, marshy branches are full of flowers I'll not attempt to name. I do wish Warren Merrit, of Alaska, would give his address. M. M., Box 14, Bayboro, N. C. (Formerly Alaska.)

DEAR FLORAL FRIENDS: Do you remember the Cactus I wrote about in a 1921 number of the Magazine? Well, I have it still, in a galvanized tub now, and two men carry it out for me in the Spring and back again in the Fall. It is so large they naturally cannot help breaking off large cuttings; too big almost to be crowded through the doorway; but I stick these broken off bits in large granite dish pans and they bloom the same time as the parent plant, which is now eighteen years old. This past Winter it was entirely covered with flowers, and my friends tell me it is not only the largest Christmas Cactus any of them ever saw, but the most wonderful and beautiful flowering plant of any sort.

Chrysanthemum, Mo.

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Linne, Crimson Rose	.75
Rubra Superba, Deep Crimson	.75

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FRIENDS' FLORAL CORNER

DEAR FLORAL FOLKS: I have been reading your interesting letters in the Floral Magazine and have decided I would write to acquaint you with the little I have learned that may be of help to some of you. I love flowers, and am always glad to know of new ways of caring for them, to help make them more beautiful. Never bury your Cyclamen bulbs in the soil, but just set them firmly on the surface; they will be almost sure to rot if you cover them. They delight in light, porous soil free, mixed with sand or coal ashes, and if your Cyclamen should show signs of drooping, or dying down in the Summer, do not be disheartened, as they are Winter bloomers, and rest during the Summer. They should begin to grow again about the middle of July, when they should be repotted. I have only a few plants now as almost all of my flowers were frozen last January, but I am trying to get my window garden back to its old standard. I have a book on "How to Grow Flowers", and it helps me wonderfully. Will the Editor, or some of our Floral Friends, tell me how to grow Gladiolus bulbils to flowering size? I know there must be some way to do it, although I can never get mine to grow, and it looks like a shame to loose them all.

Mrs. E. M. Taylor, R. R. 1, Kell, Ills.

DEAR FLORAL FRIENDS: Last year I had Foxgloves and Canterbury Bells planted close together, and this year I have one plant that is a cross, the bells as large as single Canterbury Bells, and at top of stalk is one large, open flower. Have any of you had this experience?

I find the most satisfactory border plant is the golden leaf Pyrethrum. I keep it trimmed four or five inches high, and it spreads three inches each way. It is dainty, and admired by every one. But the grandest plant ever is Golden Glow. Last year mine were ten feet high, a solid, golden wall for about eight feet. This year I made new row, between the chick pen and yard, about 25 feet long. I mulch it with maple leaves and lawn clippings. By the way, never let your neighbors burn maple leaves, as you can use them so many effective ways—they rot so quickly and make fine soil. Let the chicks scratch in them all Winter and then use them for mulching. My Golden Glow is headed for the moon, we have had so much rain. My entire 33 feet of Golden Glow cost me the small sum of twenty-five cents. I bought just one plant and then took care of it. Now my little helpers and I do love flowers—my little Polish Bantams work along with me in the flowers, and no bug or worm escapes them.

Mrs. Lillie Drish Carter, Purdy, Mo.

LIME NOT GOOD FOR LAWNS

Experiments have shown that the old idea that it was impossible to make a good lawn without dusting it thoroughly and frequently with a lot of lime has turned out to be a mistake. What you need to make a good lawn is rich soil and not lime; the lime has a tendency to bring on the weeds quickly and they smother out the grass seed.

Furthermore, the presence of moss in the lawn is an indication of poor soil and need of fertilizer, and is not a sign of sour soil to be sweetened up with lime.

A TIP ON SEEDING A LAWN

Being a subscriber I feel it my duty to "pass a good thing along", so, for those who have a new lawn to seed this Fall, I suggest that you procure a tin can, about the size of a one pound baking powder can, punch holes in the cover, from the inside, with a nail, fill can with seed, about three-fourths full, and sprinkle as you would salt, keeping the index finger on the cover to keep it from slipping off. Experience.

Classified—Continued

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FRIENDS' FLORAL CORNER

Dear Floral Friends: I know not one of us who has a little space but has already planned for something better in the way of a garden. Do we not do this very thing every year? And despite of drouth, blight and insects, our gardens do become finer each year; thanks mostly to our Little Magazine, where we read how others try, fail, try again, finally succeeding. And how we do become attached to some hardy flower that has stood by us in our trouble; one year with me it was the drouth, but it never hurt my tall Nasturtiums, and now no one had better find fault with my beloved Nasturtiums.

Another year it was Celosia that brightened my garden when my pocket book said no Geraniums this year. No Geranium ever flaunted a more beautiful head than my Celosia, and, by the way, the Cockscob variety, self-sown year after year, is now the plumed type, blooming from the ground up a mass of red, forming a lovely background for my Pearl Achillea. And if you do not have the Pearl Achillea, do get a tiny start this year. Two years ago I bought one little root and oh how it has spread, a white carpet and a lovely ground cover needing little attention, the dainty, little rose-like blooms mix so well with a bouquet I just could not do without them. Then there are the new Mallow Marvels, perennials, but will bloom the first year from seed, crumpled satin, Hollyhock-like flowers and so easy to grow, every seed coming up, and look out when you have a few bushes, they will yield enough seed to supply the whole United States, and so be careful to give them space; at first there will be one stalk, about four feet high; the next year two stalks, and the next three. I have had mine just three Summers, so I do not know the extent of them, but I hardly think they spread much more from the roots. The flowers are single, about the size of a saucer, and come in white, white with red spot at base, shades of pink, and deep red, which is beautiful, the dark red having a red tint along the stalks and branches. They grow ten feet tall sometimes.

Verbenas did wonderfully well in just the shade of a large rose bush. I have little luck with flowers in extreme shade; none do well for me under trees, not even Foxgloves. I prefer full sun, and for the shade lovers just the shade a bush or a very low tree offers, as I think trees smother the plants out. The shade a house affords seems all right, providing we do not plant too close to the walls.

Last Summer I sowed some Ragged Robin seed and dwarf Marigolds on a prepared strip of ground and such a mass of blue and gold. Actually the bees would not allow me to get near them, and how the Humming birds enjoyed my Foxgloves; I had just two, but what a show they made.

Yes, Myrtle Wallace Martin, you spoke the truth when you said the poet was mistaken who claimed "Man wants but little here below"—he certainly never planted a garden, or at least never saw my "want" lists in early Spring.

Sweet Pea.

CENTAUREA CANDIDISSIMA AS AN EDGING

This species of Centaurea being white leaved makes one of the prettiest edgings I know of, and I always use it around a bed of Geraniums, where I consider it particularly effective. It is hardy and my plan is to keep it trimmed and not allow it to grow up or to bloom.

Mrs. Mary D. Warren, Lewiston, Maine.



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QUESTIONS AND ANSWERS



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Parks Floral Magazine, Lapark, Penna.

Q. Is there such a thing as an everblooming Tuberose?—I. C. K., Penna.

A. No! The Tuberose is a tender, Summer-flowering bulb and there are no true ever-blooming sorts. But by successive plantings blooms may be had at different seasons and florists sometimes force Tuberose but chiefly for Summer and Fall bloomers.—EDITOR.

Q. How can nicotine solution be made from tobacco stems? Or can it not be done?—Mrs. J. D., N. J.

A. Tobacco extracts can be made at home, by steeping stems in water, or pouring boiling water over them and allowing the liquid to cool, using one quart of tobacco liquid to a gallon of water, as a spray. But it is always better to purchase the standardized extracts, as home-made solutions vary considerably in nicotine content and are sometimes likely to injure tender foliage.—EDITOR.

Q. Am enclosing a leaf and bloom of plant I found in the timber yesterday. It grows about 18 inches tall, the small stem running into the ground about four or five inches, to a small tuber, that lies horizontally and is a little warty. I also found a violet that looks like other violets except the foliage is lighter in color and the seed pods lie on the leaf and are shaped like those of the common wild Violet but are covered with a white down.—H. F. S., Kans.

A. The leaf and bloom are of Solomon's Seal, or, botanically, *Polygonatum biflorum*. The name "Solomon's Seal" is connected with the horizontal rootstocks, which are scarred by the death of the annual stems, each scar being likened to a seal. *Smilacina racemosa*, or False Solomon's Seal, is similar and often confuses an amateur collector. (2) The classification of the wild violets is quite a task as they are so numerous and vary with soil and conditions. I would have to know more about yours.—EDITOR.

Q. Can you name the enclosed flowers? The blue one grows about a foot in height and dies down to the ground in Winter, but the root is hardy and spreads quite fast, and is always in bloom for Memorial Day. The pink one grows to be a large bush.—F. G. P., Mass.

A. The blue flower is Pentstemon; the pink bush is Japanese Crab, as commonly known, its botanical name being *Pyrus Halliana*.—EDITOR.

Q. Please tell me the name of the famous flower that grows in Switzerland, to obtain which people often risk their lives? Am 12 years old and love flowers. Kindly tell me also how to transplant my Wax Plant?—J. V., N. Car.

A. I am happy to be of service to a boy that takes so much interest in flowers. The Swiss Alpine plant is commonly called Edelweiss, and by this name you will more often hear it spoken of, but its botanical name is *Leontopodium alpinum*, *leontopodium* being a Greek word meaning lion's foot. It is considered an emblem of purity and is a low growing plant, 4 to 12 ins. tall, densely covered with whitish wool, and the attractive part is the cluster of woolly, floral leaves surrounding the flowers which, themselves, are yellow, very small, and inconspicuous. Edelweiss can be grown in America. It is not desirable to repot *Hoya Carnosa*, or Wax Plant, too often as this promotes vigorous growth at the expense of flowers. Let it become a little root-bound, and it does best in rich, porous, well drained soil, in a sunny situation. Do not remove the cluster stems on which the old blossoms have faded as they extend and bear buds upon the tip at each flowering period. After the blooming period keep plant in a cool place, where it may remain half dormant. In late Winter or Spring start into growth again, watering more freely.—EDITOR.



AMONG THE SLEEPING DEAD

I have wandered o'er the cemeteries
And among the sleeping dead;
And I've seen the costly monuments
That mark their lowly beds.
I've read the many epitaphs
Engraved as works of art,
But had the truth been said, each would have read:
"He died of a broken heart".

Mrs. A. J. Foster.

FLORAGRAMS FROM MAINE

For a good many years we had an Amaryllis that delighted us with a bunch of bright, red blossoms every Fall. After blooming we set it down cellar, in its jar (which, by the way, was a large, stone, pickle jar, that had been cracked beyond usefulness) and simply let it alone until it began to send up shoots the next Spring; then we watered it and set it near the outside cellar-steps so that it might get the air and sunshine when the door was open, and left it there until the weather was warm enough to bring it up and set it on the ground outside, where it would grow all Summer, and make buds ready to bloom again in the Fall after cold weather forced us to take it into the house.

One Spring, when the cellar was being cleaned, it was set back in the dark out of the way, after we had started



it to growing at the foot of the cellar steps. Being out of sight it was overlooked until it died. However, I do not mean to be without this flower, as I have one started from a bulb and others from a packet of seed that I planted this Spring.

Every year my old red Peonies have a lot of pods of many flat seeds, seemingly too flat to have any life in them, and none that I sowed have ever come up. But last year one of my new pink ones had a very few seeds, as large and hard as Canna seeds, which I am sowing in a tin, in the house, hoping they are true seed, whereas, perhaps, the others were false ones.

Jessie C. Page, Rockport, Me.

WORMS IN POTTING SOIL

Worms in potting soil are caused by rich soil becoming sour through continued overwatering in a poorly ventilated room. The usual remedy is to let soil get quite dry and then water with weak lime water. But I have a plan which I prefer to that: remove the soil from pots as deep as possible without disturbing plant roots, and then fill with clean soil; or bake old soil, which destroys insects, let cool and put it back again and remember to water less. The little black fly is a sure indication you have a pot with sour soil somewhere in the room. Do not use too much fertilizer and water with the idea of forcing your plants to grow and bloom more quickly, because most of our soil and insect troubles have their start right there. Plants grown outdoors are seldom bothered this way.

Mrs. Chas. Bly, Yucca, Ariz.

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- Farnecombe Sanders.** Fiery scarlet, inside cerise.
- Glow.** Dazzling, vermillion-scarlet, edged white.
- Gretchen, or Margaret.** Clear, lovely pink.
- King Harold.** Blood-red, with white base.
- LaCandeur.** Blush, becoming pure white.
- Madame Krelage.** Purplish pink margined silvery blush.
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- The Yellow Darwin.** Pure, clear yellow.
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FLOWERS FOR A DRY PLACE

Do you have a gable end facing the east, with trouble growing flowers there? Try Cosmos. Last year a friend pulled up some Cosmos, because hers was too thick, while I was standing by the fence talking to her, and she gave them to me. I did not think they would grow after being roughly torn up, so laid them on a bench outside and forgot them. When I finally set them out they were wilted terribly. The plants were about 5 or 6 inches high. I watered them thoroughly when setting them out and they grew and thrived. I also had some Gladiolus bloom there. Balsam, and Snow on the Mountain (Euphorbia) will grow in such a situation. If you have chickens around the house, as on most farms, I put a potato crate over the plants until they reach the top. By that time you can stake, and remove crate, and the chickens will do no harm. Anyone who has a gable end house will realize how hard it is to grow plants, in the country, where the rain will not reach very often and water facilities are not like they are in cities, and the housewife too busy to use a watering can often. Of course, if you own your home, Perennials are even better, and many can be had that will thrive, as the leaves will shade the ground and keep it moist. Golden Glow is a fine one, and most all shrubs as suitable.

Mrs. Floyd Erskine, R. 1, Shepherd, Mich.

(Continued from page 199)

the blooming season may be prolonged until frost.

THE RED SPIDER:—In some dry seasons Phlox is attacked by the red spider. Unless you are well versed in flori-culture you may not detect it. This was my misfortune, and not in watching for it I came very near losing some of my best plants, and did lose that years bloom from those attacked.

You will notice the plant wilt when in perfect condition, as you thought; you will also see brownish spots forming like rust on the leaves. This, and the blight, or curled leaf, are the two things that kill phlox. First, they need plenty of water, and, when attacked it may be checked by sprinkling powdered sulphur around the plant and on the leaves. For the Red Spider, as soon as detected, get an insect powder duster and squirt the sulphur powder directly on the under side of the leaves—the sulphur may also be put around the plant while the sun is hottest so that the fumes may be drawn up to the plant.

Should the attack of either be severe you should cut the plant back to the ground, and let it put up entirely new. I saved some of my very finest plants in this way. The parts cut away should be burned up, as should all such parts from flowers.

Though I have now finished with the main points of these three loveliest of flowers I do want to tell of the remedy for disease of one of our prettiest annuals, the Aster. I had such difficulty in raising them. The leaves would turn brown; they would get large and fine and then suddenly die. I dug one up and found the earth packed with little, 'white aphis. I at last found the remedy and also preventive for this, and it may help others who love the Asters, too. When you plant them put around them in the earth a little powdered tobacco, and, as they grow, spray them sometimes with a little tobacco water. This is both cure and preventive.

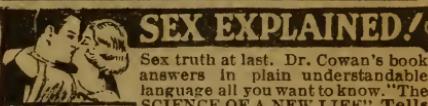


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QUESTIONS AND ANSWERS

Q. Can my large Asparagus Plumosus Nanus be successfully divided? My Asparagus Sprengeri blooms freely and then the shoots die.—F. L. Z., N. Dak.

A. Your Asparagus Plumosus can be divided, but be sure to leave roots on all divisions. It is the nature of Asparagus Ferns to fade when growth is completed and an evidence it needs a rest. Withhold water, keeping soil barely moist for a month or more, then gradually increase the supply and new shoots will push up. If roots are pot-bound shift into a larger pot before new growth is started.—EDITOR.

Q. Instruct me how to obtain a blue Hydrangea. I have asked several nurserymen and they tell me there are naturally no blue Hydrangeas, but that they are colored by artificial feeding; but none could tell me what to do to produce the blue flowers—D. A. S., Mo.

A. In certain kinds of soil Hydrangea Hortensis shows a tendency to flower bluish, and this is very often accomplished by adding 2 ozs. of alum, broken into pieces about the size of a hickory nut, to each peck of soil. Iron filings are also used, a teaspoonful at a time until you acquire the desired shade, and sometimes plenty of charcoal will do it—definite quantities cannot be mentioned because of differences in soil.—EDITOR.

Q. Would you please tell me what is good for small, white worms that destroy bulbs?—M. M., Penna.

A. To control the worms use great care in growing and fertilizing; burn all soft and rotten bulbs; infested bulbs may be immersed, for ten minutes, in a solution of 40 per cent. nicotine sulphate. For drenching the soil dissolve one tablet of bichloride of mercury to one pint of water—these tablets are obtainable at drug stores, but are deadly poison and should be safeguarded in preparation and handling, and any portion of the liquid not used should be destroyed immediately; the tablets also must be kept from within easy reach.—EDITOR.

Q. I had a plant called Star of Bethlehem, a running vine, with a tough-fibred leaf and flower about two inches in length, in pure, glistening white, giving the plant a frosty appearance. This vine grew about three feet in length and was a perpetual bloomer—I think it blossomed to death. Can you tell me the name?—C. M. L. N. Y.

A. I receive so many inquiries regarding plants called "Star of Bethlehem", that it seems to me this name must be given to about every plant that bears "star-shaped" flowers. I think your plant must be Campanula Isophylla alba. It is a shaggy seeder and generally propagated by cuttings, in the Spring.—EDITOR.

Q. (1) Please tell me the correct name of enclosed plant; it grows in damp places and is commonly known as "Yellow Root"? (2) Would also like the correct name of the other flower enclosed. It grows wild here.—R. L. M., Va.

A. (1) Yellow Root is Zanthorrhiza apitatoria, sometimes spelled as Xanthorrhiza, cultivated mostly for its handsome foliage, and, as far as I know, has no commercial value. (2) The second plant is Rhododendron nudiflorum, most commonly called Wild Azalea—the Early Dutch Colonists called it "Pintex-bloem" or Whitsunday Flower.—EDITOR.

Q. Will Magnolia Trees live in Northern Michigan? Where are they from? How should one get seed off the Boston Fern? When I try to rub the seeds off they go to pieces.—J. E. N., Mich.

A. Most of the deciduous species of Magnolia are hardy, at least in sheltered positions, as far north as Northern New York State and Massachusetts, but the varieties Acuminata, Kobus and Stellata are hardy even farther north. Magnolias are widely cultivated in the South. Do not try to remove the seed spores from the Fern—the older leaves gradually die, but new ones shoot up. This is a natural tendency, but if the leaves are objectionable to you they may be cut off.—EDITOR.

Q. Do you know a Perennial Plant called Fireball? My mother had one year ago; a ball of double, red flowers on a stalk a foot or more high. I also have a Perennial called Calico plant; can you tell me its correct name?—H. P., Ohio.

A. I am sorry but do not know the plant described as "Fireball". Might it be a hardy Pink?—there is a fine, rich, red one named "Fireball". Possibly some of our readers can tell us its name. Kalmia latifolia, a Shrub bearing flowers of rose color, sometimes white, with purple markings within, is commonly called Calico Bush—does this describe your Shrub?—EDITOR.

Q. Am sending leaves of a tree 30 feet tall; the leaves are as if varnished; no two alike. Will you name it for me?—J. C. H., Va.

A. The leaves reached us considerably dried and crumpled, but I am quite sure they came from a Mulberry Tree, a tree that bears fruit birds, poultry and hogs are very fond of.—EDITOR.

QUESTIONS AND ANSWERS

Q. What would be the best heating system for a greenhouse 18x30?—R. W. C., Tenn.

A. A small hot water heater would be preferable. Greenhouse stoves are made, the size required depending on the area of your house. Any substantial stove and furnace dealer can give you particulars, and show you pictures from catalogues of manufacturers. Stoves from which the coal gas escapes would be destructive to plants.—EDITOR.

Q. Can you tell me the name of an herb we used to call Alecost or Costmary?—B. H., Mich.

A. Chrysanthemum Balsamita, very often erroneously called "lavender".—EDITOR.

Q. Am anxious to learn the name of a small Perennial plant that blooms in Spring, quite early, becoming a mass of small, delicate white flowers, Daisy-shaped, very close to the ground; the foliage scarcely shows.—W. H. P., N. Y.

A. I think you refer to Bellis, or English Daisy. Arabis Alpina would answer your description except that it is not Daisy-shaped.—EDITOR.

Q. Please tell me why my Trumpet Vine dies down every Fall.—A. P., Nebr.

A. Because this is its nature.—EDITOR.

Q. Can you name the plant of which I am enclosing a leaf? It is quick growing; has dark reddish stalks, and looks as if it needed a trellis, being slender like a climbing rose.—G. Mcl., Wash.

A. Baptisia Australis, a plant that thrives in ordinary soil, preferring free exposure to sun.—EDITOR.

Q. Can you tell me the name of a seed, or bean, that looks like a man's head and face?—I. B. J., Dela.

A. Seed of Lupinus hirsutus is often likened to a man's face and is actually called "Old Man's Face".—EDITOR.

Q. The leaves of my Cineraria turn brown and are covered on the underside white. I have been told they would only live to blossom once. Is this true?—E. D. L., Ohio.

A. Cinerarias are subject to attacks of greenfly and should be thoroughly sprayed with fish-oil soap solution, or 40 per cent. nicotine solution, being sure to get at the underside of the leaves. They do not die after first flowering, but it is customary to develop new plants every year rather than to attempt to carry them over.—EDITOR.

EXCHANGES

Flower seed for quilt scraps. Bessie M. Baker, Star R. Box 3, Sugar Tree, Tenn.

Waxed flowers for paeonies, iris, tulips, dahlia, callas and candidums. Mrs. C. L. Lett, Opportunity Farm, Reed Ky.

Narcissus bulbs for gingham, percale, books or anything useful. Mrs. Minnie Hunt, Unity, Ky.

Shasta daisy, hardy phlox and other perennials for gladiolus and plants. Mrs. P. Fleminger, R. F. D. 2, Saginaw, E. S., Mich.

Cacti for buttermcups and hyacinths. Mrs. S. A. Barnett, Box 373, Lenoir City, Tenn.

Shrubs, ferns, iris, narcissus, lilies and other flowers for books, quilt pieces or anything useful. Write. Mrs. Frances Dickson, R. F. D. 3, Holladay, Tenn.

Poppy, daisy, perennial pea, marigold and nigella seed for oxalis, amaryllis, crocus, tuberous begonias and digitalis and canterbury bell seed. Write, Mrs. Mary E. Bower, Box 247, Blairstown, Iowa.

Blackberry lily, Jerusalem Cherry, maiden-hair and other ferns for Japanese lilies, canna, red raspberries and other small fruits. Mrs. Geo. E. Greene, Box 821, Waynesville, N. Car.

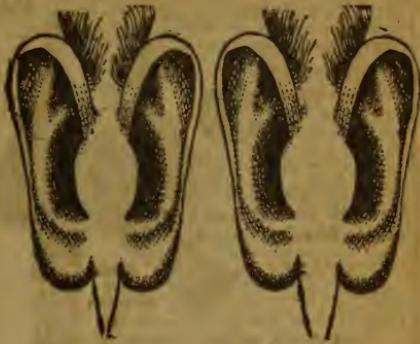
Blue rambler and seeds of crown of thorns for madonna lily or any hardy lilies. Write. Mrs. Lena E. Hollister, R. F. D. 3, Cortland, N. Y.

Want Neapolitan Violets in exchange for English Violets. Mrs. J. B. Metcalfe, Suquamish, Washington.

Amaryllis, vines, shrubs, plants for azalea lily, tritoma, pinks, canna and rooted everblooming roses. Mrs. D. C. Berry, P.O. Box 682, West Palm Beach, Fla.

Cactus, geraniums, oleanders, double petunias and hardy plants for begonias, dahlias and shrubs. Mrs. Rosa Anderson, Box 278, Hope, Idaho.

Cotton quilt scraps for seeds, bulbs or plants. Mrs. C. P. Wood, 108 Powell Ave., Evansville, Ind.

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Cost



Q. Last Summer my **Asters** were covered with a bug. Would like to know what I can spray them with should this happen this Summer. W. D. R., Ill.

A. If it was the blister, or **Aster**, beetle, a large, black, grayish or striped beetle (different species are colored variously), they may be poisoned by prompt, thorough and repeated applications of arsenate of lead or Paris green. But usually hand picking is most effective, as a new lot flies on the next day—pick off and drop in a pan of kerosene. Gloves should be worn as some hands are blistered by contact with the beetles. Plants may be protected by covering with mosquito netting. For root lice, small bluish-green lice infesting the roots, scrape the soil away, cover roots with chopped tobacco stems, or tobacco dust, and apply water as hot as the hand will bear. The application can be repeated at intervals of two or three days. When transplanting mix tobacco dust with soil around the plants.—EDITOR.

Q. My Chrysanthemums are covered with small, black lice. Could you tell me how to kill them? F. W. R. I.

A. Spray the plants with nicotine solution, or soap and water. A steady stream of water from the hose will often prove effective.—EDITOR.

Q. Can you tell me what to do for the enclosed Peony? It was planted four or five years ago, and is a large, healthy plant. Several times it has had buds on like the enclosed but has never bloomed. E. B., Utah.

A. Trouble appears to be stem-rot. Spray with Bordeau Mixture when first growth appears in Spring and every Fall cut off and burn all foliage and stalks; only careful sanitation will diminish the trouble.—EDITOR.

Q. What is the correct name for Flowering Crab? Also would like to know what will rid Nasturtiums of a tiny, black insect on the underside of the leaves? I. P., Iowa.

A. Flowering Crab is botanically named *Pyrus pumila*—there are numerous varieties, Hailiana and Parkman being the most commonly grown. Nicotine solution should rid your Nasturtiums of aphides, made up as follows: one-eighth pint nicotine sulphate (40 per cent.) to 13 gallons of water; $\frac{1}{2}$ pound of common soap—the soap will cause the liquid to stick and spread better. Be sure to get on the underside of the leaves. If climbing Nasturtiums weave tobacco stems through the wire netting where the plants run.—EDITOR.

Q. (1) What is the best insecticide to rid Sweet Peas of green aphids? (2) Is the preparation "Black Leaf 40" poisonous in diluted form, if, by accident, small children should get the leaves or flower of the sprayed plant in their mouths? (3) Is the plant *Digitalis* poisonous through contact, or in a similar manner?

A. (1) The standard material used for spraying against plant lice, such as aphids, etc., either in greenhouses or outdoors, is the 40 per cent. nicotine sulphate solution, and this is recommended for spraying Sweet Peas, following directions printed on the package. Twining tobacco stems through the wire supports is also effective. (2) Nicotine is poisonous if taken in sufficient quantities, but there is not much danger from a leaf or so sprayed with it. (3) The same is true of *Digitalis*, one would have to eat a great quantity to become affected. Whether or not *Digitalis* is poisonous from rubbing against it depends on the susceptibility of the individual person, just as it does largely with Poison Ivy and Sumac. Children should always be cautioned against putting leaves and flowers in their mouths.—EDITOR.

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QUESTIONS AND ANSWERS

Q. What is meant by forcing plants, and how is it done?—E. K. P., Ohio.

A. I think this is the first time this question has been asked, and, of course, in this Department I can reply only briefly by saying that properly speaking it means growing plants by some method outside of their usual and normal season. Various flowers that would not bloom outdoors until Summer are grown in greenhouses by commercial florists to produce blooms at almost any time. For example, the flowers of Lily of the Valley, by means of cold storage of the pips and hot houses for growing, can be purchased throughout the year. There is no fixed rule about the length of time required to force flowers, but I have said enough so that you will understand it is a sort of unnatural method of producing flowers under glass, with heat. Tremendous quantities of vegetables and fruits are also forced, keeping the Winter markets well supplied with lettuce, tomatoes and cucumbers particularly. Grapes and even pears and peaches are successfully forced under glass.—EDITOR.

Q. My Antirrhinums, or Snapdragons, are succumbing to rust. Is there any effective remedy? Will the same disease attack Gladiolus and other flowers?—J. A. S., Mo.

A. Antirrhinums are very susceptible to blight and it also attacks Hollyhocks and Delphiniums, and might possibly reach some other varieties if allowed to continue unchecked, but I hardly think it would affect Gladiolus—I have never known it to do so. The remedy is to spray with Bordeaux Mixture, thoroughly and repeatedly a week apart until the trouble is checked. Cut off very badly affected leaves now and burn them, and then in the Fall cut down and burn all foliage and stems.—EDITOR.

Q. The soil in our yard is full of worms. What can be used to eliminate them?—H. B., W. Va.

A. Apply a solution of limewater freely; about two cupfuls of unsaked lime in a bucket of water, thoroughly agitated and allowed to settle, will furnish the desired clear liquid. Tobacco dust thoroughly worked into the soil will also prove effective, and at the same time have some value as a fertilizer.—EDITOR.

EXCHANGE

Have you Night Blooming Cereus, that blooms at 9 p.m., in Summer, and is a most gorgeous flower, like white wax; large, and very fragrant? Would like to exchange. Mrs. S. P. Dickson, 75 W. 5th St., Atlanta, Ga.

Rhododendrons to exchange for fancy work, tatting and lace for trimming little girls dresses; also small ocean shells, beautiful stones, cloudy agates, and such like to exchange if preferred to Rhododendrons.—Mrs. Eola Stove, Otis, Oregon.

Ferns, Begonias, Geraniums, Cannas, Elephant's Ear, Rubber or Orange Plant for odd length of goods and quilt scraps.—Mrs. Mornie Ballinger, Parsons, Tenn.

Silver Poplar, Lilies, Ferns and flower seeds for odd pieces.—Miss Rosia Inman, R. 3, Parsons, Tenn.

Dish cloth gourd or mole bean seed for other flower seeds and pot plants.—Jessie Matthews, Van Leer, Tenn.

Monthly Rose cuttings, red and yellow Cannas, for Geraniums and Begonias. Write.—Mrs. Cora Buntin, R. 2, Dresden, Tenn.

Sheet music, music books for Easter lily bulbs, Amalys Johnsoni and named gladioli. Mrs. E. A. Russell, Jennings, La.

House slips, hardy plants, sweet william, mums, narcissus, dahlia for gladioli, canna, elephant's ear or other flowers. Mrs. Lee Earl Harlow, R. 1, Box 25-A, Gallatin, Mo.

Hollyhock seed for seed of Shirley or California poppy, portulaca, zinnia, pink phlox, everlasting, strawflowers, nicotiana, cosmos, asters and columbine. C. F. Jordan, 11 Wheatland, Dorchester, Mass.

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POISON IN LADY SLIPPER

Many have learned through sad experience what Poison Ivy looks like and how it affects the skin of a susceptible person. On the other hand, few perhaps realize that other plants, such as certain of the Orchids, or Lady Slippers, can produce similar effects. The latter are commonly gathered for their beautiful flowers, so it is well to know that certain species may be as poisonous to some individuals as Poison Ivy.

Botanists of the Minnesota College of Agriculture classify the Yellow Lady Slipper, (*Cypripedium Parviflorum*, variety, *Pubescens*); the small White Lady Slipper, (*Cypripedium Candidum*); and the Showy Lady Slipper, (*Cypripedium Hersutum*) as Orchids to which poisonous properties have been attributed.

The most poisonous stage of these plants, they say, is during seed pod formation, but pronounced symptoms have resulted from handling the plants during the flowering stage. The symptoms, similar to those caused by toxicodendron, the active compound in Poison Ivy, appear in from 12 to 24 hours after handling the plants. The poisonous constituent of the Orchid, they add, is apparently an oil contained in the glandular hairs of the plants. According to Pammel, no specific antidote, or remedy, has yet been suggested.

FOR CEMETERY DECORA- TION

I have had more compliments on my bouquets of double Hollyhocks than of any other flowers. I take and cut the top of the stalk off, just above the top flower, and make a bouquet, with Asparagus for the green. Then if I have any small flowers I put them around the lower edge of the Hollyhocks. They are fine for the center of any large bouquet and they do not wilt so easily as other flowers.

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QUESTIONS AND ANSWERS

Q. My Hydrangeas came out nice and now the leaves are beginning to wither up around the edges. What is the trouble?—Miss E., Ohio.

A. Red Spider—spray with kerosene emulsion, or soap and nicotine solution, being sure to get the spray on the underside of the leaves.—EDITOR.

Q. Have tried so hard to raise Moschatus from seed but always fail. Could you tell me how to succeed.—A. S. W., Forest City, Ark.

A. Mimulus Moschatus seed should be started indoors, from January to April, in light, sandy soil, and plants continued in pots, or set outdoors in May, in a cool, shady spot, rather moist, for Summer blooming. Bring them indoors in the Fall where they require a cool temperature. Possibly you have been growing them in a place too warm.—EDITOR.

Q. On one side of my house is a corner which is shady practically all the time. Could you suggest something to plant there?—J. D. A., Penna.

A. If you wish flowering shrubs these will do well: Spirea Vanhouttei, Deutzia Lemoinei, Deutzia Gracilis, Snowball, Hydrangea Arborescens, Funkia variegated, Forsythia, Japanese Honeysuckle, Japanese Barberis, or Berberis Thunbergii, makes a very nice, ornamental shrub; its flowers are not of great consequence but its red berries are showy nearly all Winter.—EDITOR.

Q. Please tell me what to do for Iris root rot?—E. M., Ala.

A. Iris enjoys moisture but drainage is necessary, and plants should never be set deeply. One of the best remedies is to dig up the plant, cut out the infected portions, roll the whole root in powdered sulphur and replant, in a new, well-drained situation. It is well to use a little sand under each plant when resetting.—EDITOR.

Q. What can I do for the "white rust" on a running Rose bush?—N. H., So. Car.

A. It is mildew. Powdered sulphur dusted on the leaves has been the general remedy used heretofore, but professional growers and plant pathologists are now using bicarbonate of soda (ordinary baking soda) effectively. Spray the plants every morning until the mildew disappears, and then occasionally thereafter; use an ounce of bicarbonate of soda to a gallon of water.—EDITOR.

EXCHANGES

Named dahlia roots, shrubs, gladiolus for Ladies' Home Journal, Dec. 1921 to Jan. 1924 or the Call of the Cannon, or other books. Write, Mrs. Thos. Coon, R. 2, Cannon, N. Y.

Paeonies, roses, hydrangea, golden glow for cactus, geraniums, silver leaf. Write, Ida Ure, R. 1, Box 99-A, Saratoga Springs, N. Y.

Crochet-yokes or will crochet for dahlias, bleeding heart or good house plants. Write, Mrs. Julia Hanson, R. 20, Youngstown, N. Y.

Mixed gladioli bulbs for tea by other roses. Mrs. Calvin Moyer, R. D. 5, Bellevue, Ohio.

Double white and yellow narcissus, white and purple lilac and lilies for madonna lilies and dutchman's pipe. Alice E. Dodd, R. 4, Coudersport, Penna.

Eight hardy plants and shrubs, almond, japonica, clove bush, etc., for four late cloth-bound books. Send list. Mrs. G. H. Barrick, Emoryville, W. Va.

Paeonies for madonna, regale, album, auratum, melpomene and kramera lilies. Mrs. Wilda Carson, Ida-ville, Ind.

Seed, bulbs, gingham, muslin, or anything else preferred for cactus. Mrs. Ida Riedl, 2514 Colvin St., Chicago, Ills.

Red, and red and yellow canna, begonias, geraniums and impatiens for sheeting or madras for shirts. Mrs. Alice Daniel, Oakland, Fla.

Asparagus sprengeri seed for other seed and plants. Mrs. J. W. Allen, 936 Piedmont Ave., Atlanta, Ga.

Dahlias, gladiolus, seeds and geranium slips for bleeding heart and canna. Mrs. Geo. Willis, R. F. D. 3, Box 811, Twin Falls, Idaho.

Gladiolus and callas for paeonies and roses. Nercross Adams, Palermo, N. J.

Gladiolus and dahlias for tulips, paeonies and other hardy bulbs. Mrs. Pearl Hepler, 149 Greenville Ave., Clarion, Penna.

Sweet Mary, iris, onion seed, achillea, old man, berry bushes and yellow roses for perennials or shrubs. Write, C. DeHaas, 404 S. 8th St., Livingston, Mont.

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